



MSD

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February 1, 2008

Mr. Femi Akindele
Remedial Project Manager
Kentucky/Tennessee Section
U.S. Environmental Protection Agency
Region IV
61 Forsyth Street
Atlanta, GA 30303

**Re: Result of Air Quality Monitoring - FY 08, Fourth Quarter (FY08-2Q),
Lees Lane Superfund Site, Jefferson County, Kentucky, Administrative Order on
Consent, USEPA Docket No-91-32-C**

Dear Mr. Akindele:

In accordance with paragraph 11, under Reporting Requirements, of the subject Consent Order and Attachment 1, Operation and Maintenance Plan For Post-Removal Site Control at the Lee's Lane Landfill Site. Section 4.2, Air Quality Monitoring, attached for your information and files is one photocopy each of the following items, prepared by URS Corporation, 1600 Perimeter Park Drive, Suite 100, Morrisville, North Carolina 27560 and received by MSD on January 30, 2008.

1. URS Corporation letters dated January 28, 2008, 2 pages.
2. Figure 1, Lees' Lane Landfill, Sampling Locations, 1page.
3. Table 1, TO-15 Data Summary for Ambient Air Samples at the Lees' Lane Landfill, Sampling date: November 5, 2007, 1 page.
4. Table 2, On-Site Meteorological Data, Sampling date, November 5, 2007, 1 page.
5. Table 3, TO-15 Data Summary for Gas Monitoring Well Samples at the Lees' Lane Landfill, Sampling date November 5, 2007, 1 page.



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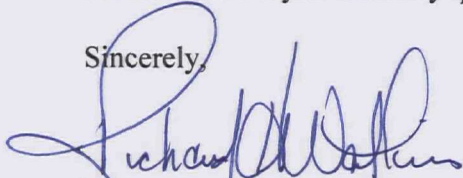


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Mr. Femi Akindele
February 1, 2008
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Please advise if you have any questions concerning the attached information.

Sincerely,

A handwritten signature in blue ink, appearing to read "Richard H. Watkins, Sr.", written over a horizontal line.

Richard H. Watkins, Sr.
Infrastructure Liaison

RHW/rw
Lees-08-2Qtr

Enc.

cc: Kentucky National Resource Environment Protection Cabinet
Mr. Ken C. Logsdon, Division of Waste Management
H. J. Schardein, Executive Director
Michael Griffith
Lees Lane File



URS Corporation
1600 Perimeter Park Drive
Morrisville, North Carolina 27560
Telephone: 919.461.1100
Fax: 919.461.1415

31825450.00002

January 28, 2008

Mr. Rick Watkins
Louisville Metropolitan Sewer District
3050 Commerce Center Place
Louisville, KY 40211

Dear Rick:

Enclosed is the summary analytical report for the ambient air and gas monitoring well samples collected at the Lee's Lane Landfill site on November 5, 2007(Quarter 42). All six ambient samples, along with all six (G1, G2, G3, G4, G5R, G5L) well samples and a Field Blank were taken on November 5, 2007.

A map of the site, labeled with the sample collection locations for your reference, is shown in Figure 1. Table 1 is a tabular summary of the ambient samples with the primary analytes required for submission to EPA. Ambient air samples indicate no vinyl chloride, an improvement on the last sampling period. Almost all samples of methylene chloride, xylenes, benzene, and toluene remained within 0.07 ppb of last quarter's levels. Carbon tetrachloride was lower than the spring samples, except in one on-site sample where it was slightly higher (0.082 ppb). Concentrations of other analytes do not seem to be significantly different from previous samples.

The sampling locations were chosen based on a combination of prevailing on-site meteorology and accessible sites in the adjacent residential neighborhood per the standard sampling protocol. The meteorological conditions were moderate at the beginning of sampling, (60-68°F) with wind speeds ranging from 7.0 mph to 15.0 mph during the sampling day. However, a thunderstorm began at about 3:30 pm, with heavy downpour that cut sampling time short. The information displayed in Table 2 was obtained from the Louisville International Airport (Standiford Field) National Weather Service Station. The ambient air samples were collected in Summa canisters positioned 3-5 feet above ground level, integrated over an approximate 3.5-hour collection period due to the storm.

The methane analysis was performed by GC/FID using a separate analytical system from the TO-15 analysis employed at STL in Austin. The TO-15 analytical methodology using Gas Chromatography/Mass Spectrometry (GC/MS) was employed. Samples were handled with standard laboratory chain-of-custody procedures. Sample canisters and flow controllers were cleaned and blanked using method TO-12 for total non-methane hydrocarbons prior to field deployment. All of the samples were successfully collected and analyzed for methane and the TO-15 target analytes. Quality control parameters of precision (repeatability) and spiking of surrogate compounds meet internal URS and project-required specifications.



Mr. Rick Watkins

January 28, 2008

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The reliability of this data set can be characterized as good, based on the repeatability (analytical precision), surrogate spike recoveries, blank levels and the relatively few number of unresolved interfering peaks in the sample chromatograms. The November 5, 2007 field blank canister reported no positive hits other than the surrogate recoveries except a methane reading of 5 ppmv. The reported results have not been blank corrected in attached tables per our standard project procedure.

Table 3 is a tabular summary of the gas well samples with the primary analytes required for submission to EPA. Gas monitoring well G-1 was screened with a GA-90 analyzer to test for the presence of methane prior to field sample collection. Methane was detected with the instrument in the west side (right-hand) well head. Levels seem to be similar to or lower than the last sampling effort.

URS appreciates the opportunity to assist your staff with this project. Please advise me at (919) 461-1242 if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert F. Jongleux".

Robert F. Jongleux
Project Manager

Enclosure

cc: Lauren Popoli, URS/LOU
Project File/Task 42

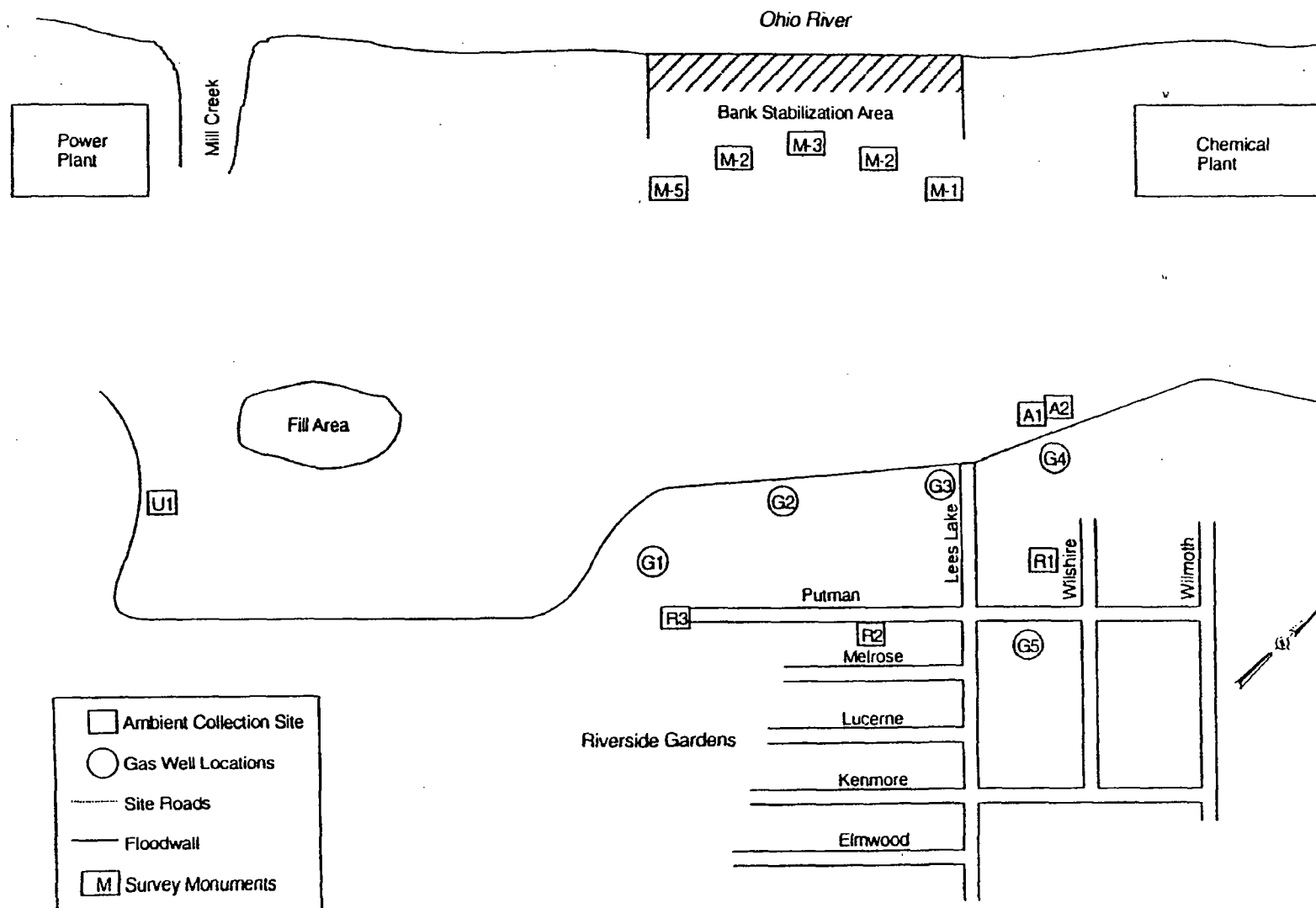


Figure 1. Lees Lane Landfill Sampling Locations

TABLE 1

**TO-15 DATA SUMMARY FOR AMBIENT
AIR SAMPLES AT THE LEE'S LANE LANDFILL
SAMPLING DATE: 5 November 2007**

Sample ID	Ambient Air Samples					
	U1	A1	A2	R1	R2	R3
Canister ID	RA2031	RA2034	RA2025	HL0941	HL2093	RA2104
Dilution Factor	3.1204	2.9232	3.209	4.3037	3.892	2.6859
Location	LG&E	ONSITE	ONSITE DUP.	4423 WILSHIRE	PUTNAM LANE	PUTNAM END
Veriflow ID	RA2031	RA2034	RA2025	HL0941	RA2035	RA2104
Compound (ppbV)						
Benzene	0.175	0.179	0.187	0.182	0.191	0.162
Methylene chloride	0.088	ND	0.168	ND	ND	0.029
Toluene	0.256	0.144	0.377	0.222	0.224	0.251
Vinyl chloride	ND	ND	ND	ND	ND	ND
Xylene (Total)	0.030	ND	0.088	ND	ND	0.0607
Methane (ppmV)	5.40	5.40	5.51	6.37	6.07	6.30

ND = Non Detect

TABLE 2

LOCAL METEOROLOGICAL DATA
AMBIENT AIR SAMPLES
SAMPLING DATE: 5 November 2007

Time	Barometric Pressure (in Hg)	Temperature (°F)	Dewpoint (°F)	Wind Direction (from)	Wind Speed (mph)	Observation
8:00 AM	29.93	49	27	S	7	CLOUDY
9:00 AM	29.93	3	29	S	9	PTSUNNY
10:00 AM	29.9	56	34	S	8	PTSUNNY
11:00 AM	29.87	60	42	SW	15	MOSUNNY
12:00 PM	29.84	63	46	SW	12	PTSUNNY
1:00 PM	29.81	65	49	SW	14	CLOUDY
2:00 PM	29.75	67	51	SW	12	CLOUDY
3:00 PM	29.73	68	53	SW	12	CLOUDY
4:00 PM	29.74	62	57	W	9	TSTM
5:00 PM	29.76	62	58	W	9	HVY RAIN
6:00 PM	29.77	61	57	W	8	MOCLOUDY

Source: National Weather Service, Louisville, Ky.

TABLE 3

**TO-15 DATA SUMMARY FOR GAS MONITORING
GAS WELL SAMPLES AT THE LEE'S LANE LANDFILL
SAMPLING DATE: November 05 2007**

Sample ID	Well Samples						BLANK #1
	G1	G2	G3	G4	G5-L	G5-R	
Canister ID	RA2029	RA2088	RA2028	RA2073	RA2067	RA2071	RA0898
Dilution Factor	5.8404	2.6882	2.6859	2.7384	2.7025	2.6498	2.6667
Orifice	RA2029	RA2036	RA2028	RA2073	RA2067	RA2071	NA
Sampling Date	11/5/2007	11/5/2007	11/5/2007	11/5/2007	11/5/2007	11/5/2007	11/5/2007
Compound (ppbV)							
Benzene	5.4	ND	ND	ND	0.0622	ND	0.134
Methylene chloride	ND	2.48	ND	ND	ND	ND	ND
Toluene	ND	0.0425	0.0908	0.0444	0.177	0.0848	0.0837
Vinyl chloride	0.73	ND	ND	ND	0.455	ND	ND
Xylene (Total)	0.178	ND	ND	ND	0.222	ND	ND
Methane (ppmV)	7,150	2.48	2.54	2.62	3.73	2.42	5.00

ND = Non-Detect

* = Dilution Factor for G1 Methane = 178.7566